

KENWOOD

CASSETTE RECEIVER

KRC-2000A

INSTRUCTION MANUAL

FILE

Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new cassette receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on this product.

Model KRC-2000A Serial number _____

Controls and indicators

Volume
Min. ON Max.
Power OFF

Turn clockwise to supply power. Continue to turn clockwise to increase the sound level.

Bass control (Push)
Increase
Decrease
Treble control (Pull)

Fader control
Rear
Front

Used to balance the front and rear sound level.

Eject switch
Press to eject the cassette tape.

Cassette tape slot
Insert cassette shell with opening at right side. Once tape is inserted, tape play will begin automatically.

Fast Forward/Rewind/Program switch

(Indicator)

(Switch)

REW FF FF REW

To release the Fast Forward or Rewind mode, lightly press the switch which is not pressed. When changing the program, press both of the switches at the same time.

Manual tuning
Down
Seek
Up

Manual tuning: When the knob is moved once, the frequency is changed by 200 (50) kHz in FM mode and 10 (9) kHz in AM mode.

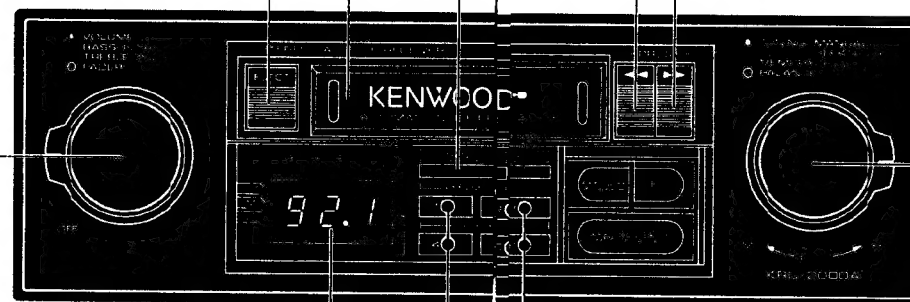
Seek: Press to shift to a higher frequency in tuner mode. When a station with sufficiently signal strength is received the seek stops.

Clock adjust (Pull and turn) Memory (Pull)
Minute
Hour

Clock adjust: In clock mode, turn the tuning knob while pulling it to adjust the hour and minute digits.

Memory: Pull once to memorize the station. The memory indicator lights up for about 5 seconds.

Balance control
Left
Right



Digital display
Displays the frequency being received. When metal switch is set to ON, the "MTL" (in tape playback mode) indicator illuminates.

Lit when stereo broadcast is received.

Displayed when loudness switch is ON.

Lit when memory switch is ON.

Lit when local switch is ON. (in tuner mode)

The tape running direction is also displayed. When playing the tape with its side A upward, (▷) indicator lights during playback of side A and (◁) indicator lights during playback of side B.

Preset station keys (1 - 6)
One key can memorize one of each FM and AM.

Operation

■ Tape playback

1. Turn the power ON.
2. When a cassette is inserted with the cassette shell opening at the right, playback starts.
3. Select the tape position according to the tape to be used.
4. When the program switch is pressed, playback of the reverse side of the tape starts.
5. To stop playback press the eject switch.

■ Tape advance

The non-recorded portion of the tape is detected to locate the beginning of the selection for playback.

1. If you want to hear the selection you are listening to again from the beginning, press the Tape advance switch, and then rewind. The tape will stop rewinding at the beginning of the selection, and playback will recommence.
2. If you want to hear the selection following the one you are listening to, press the Tape advance switch, and then fast forward. The tape will stop at the beginning of the next selection, and playback will recommence.
3. It should be noted that the Tape advance function may not work correctly in the following cases:
 - Tapes where the unrecorded space between selections is less than 5 seconds.
 - Tapes where selections include passages with low recording levels lasting longer than 5 seconds.

■ Auto tuning (seek)

1. Turn the power ON.
2. Select the required band.
3. To receive only strong signal, set the local (MTL/LO) switch to ON.
4. When the tuning knob is pressed once, the received frequency increases and stops when the marginal broadcast is received.

■ Manual tuning

When the required station frequency is known, use manual tuning to tune in.

1. Turn the power ON.
2. Twist and hold the tuning knob so that the digital display shows the approx. frequency of the required station.
3. Release the tuning knob once and twist the tuning knob repeatedly so that the digital display shows the frequency of the required station.

■ Station memory

1. Receive the required station.
2. Pull the memory switch. The indicator lights up in the digital display for about 5 seconds.
3. While the indicator is lit, press the preset station key to store the received station frequency.

■ Channel space selection

The KRC-2000A provides the channel space select function. Two spacing frequencies are available for both FM and AM; 200 kHz or 50 kHz for FM, 10 kHz or 9 kHz for AM.

1. With the power off condition, press the band selector and the "5" preset station key simultaneously.
2. Turn the power ON while keeping both keys pressed on.
3. The channel spacing is changed to 50 kHz for FM and 9 kHz for AM. To resume the initial condition (200 kHz for FM, 10 kHz for AM), perform the operation above once more.
- When the channel spacing is set to FM 50 kHz, the last "5" is expressed by "●" at the right upper corner in the display.

For example:

92.10 MHz → 

92.15 MHz → 

Care and maintenance

- The power source of this unit is exclusively DC 12 V, negative ground. If you wish to mount the unit on a vehicle with DC 24 V, please consult your appointed KENWOOD dealer.
- Do not place the cassette receiver in a place where the cassette receiver may be exposed to direct sunlight, heat or moisture. Be careful that metal objects and water do not enter the set.
- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.

Notes on handling tape

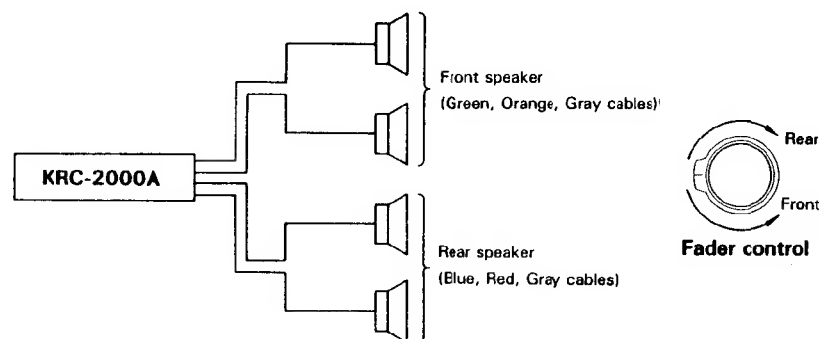
- Before loading a cassette, check the tape for slack. If there is slack tape, remove it using a pencil.
- Do not expose the cassette tape to direct sunlight. Leaving a cassette at high temperature or humidity can deform the cassette shell or tape.
- 120-minute tape is very thin. Avoid its use, because it can easily be twisted around the pinch roller.

Head cleaning

Magnetic particles from the tape adhere to the head surface after a long period of use, resulting in noise and poor quality sound. Clean the head with cleaning tape available at your stereo shop. And follow the directions with the head cleaner.

Fader control

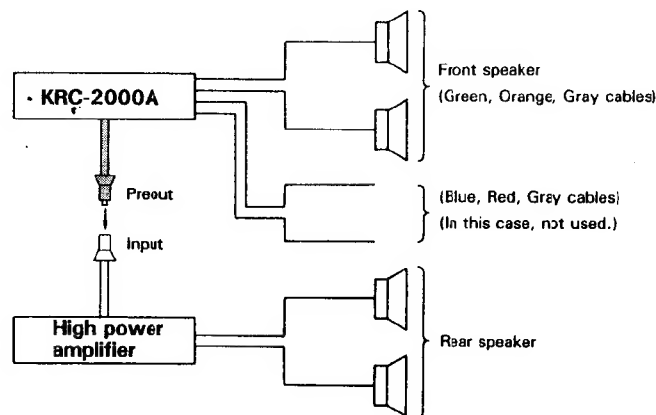
The fader control allows the following operations.



Example of utilization of PREOUT function

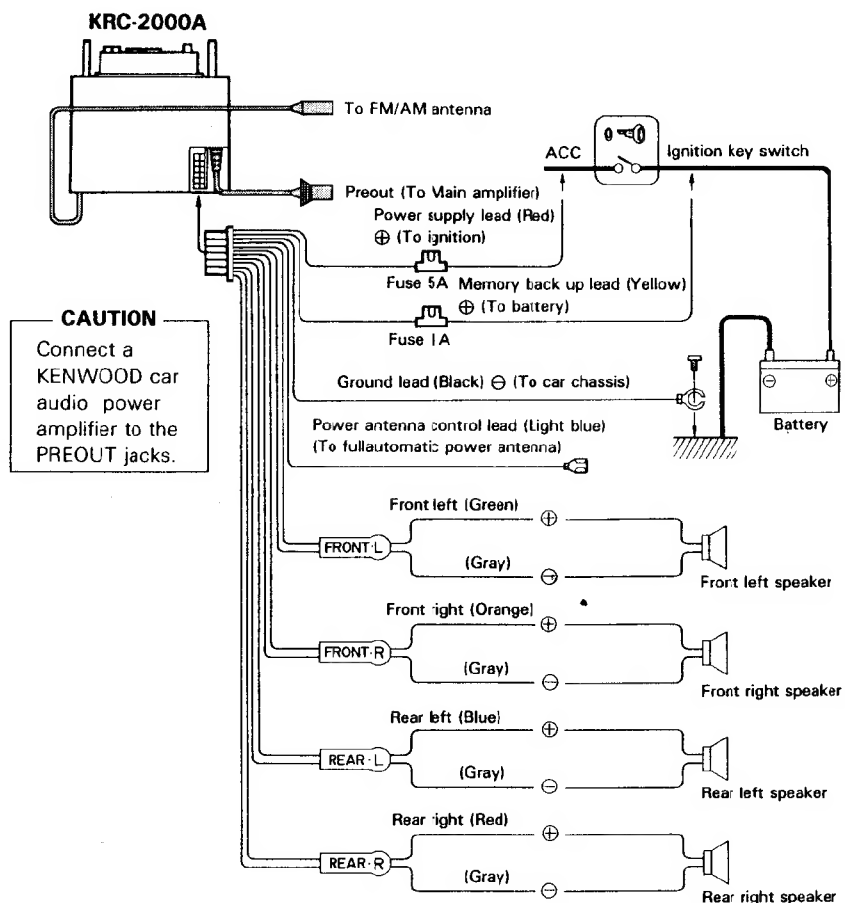
Your music system can be upgraded by using the PREOUT function.

- ★ Enjoy the high-power sound by connecting a high-power amplifier.

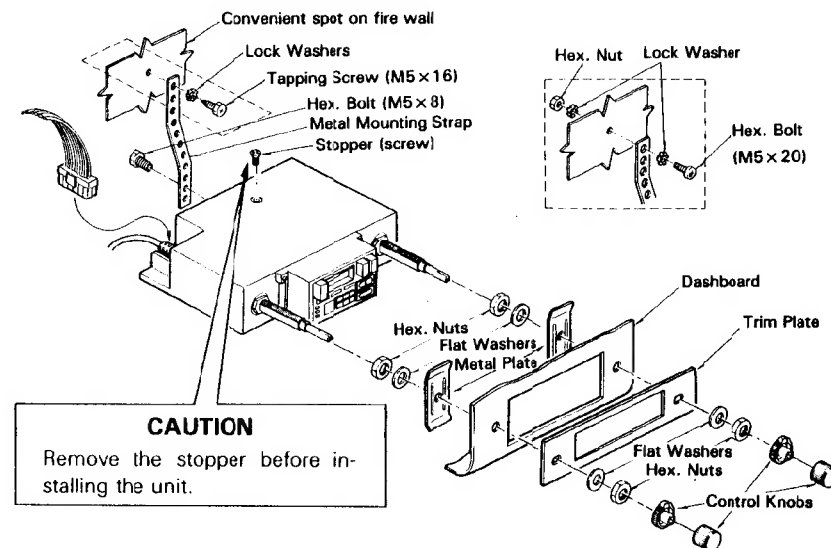


- It is also possible to make a subwoofer system using Electronic Crossover "KEC-1100".

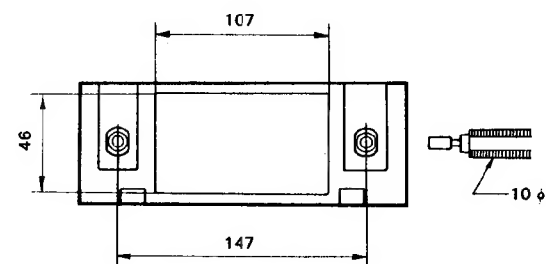
Connection



Installation



- The distance between the right and left shafts is adjusted to 147 mm.



Specifications

Specifications subject to change without notice.

FM Tuner Section

Frequency Range (200 kHz space)	87.9 MHz—107.9 MHz
(50 kHz space)	87.5 MHz—108.0 MHz
Channel Space	200 kHz/50 kHz
Usable Sensitivity	15.3 dBf (1.6 μ V/75 ohms)
50 dB Quieting Sensitivity	19.0 dBf (2.4 μ V/75 ohms)
Frequency Response (± 3 dB)	30 Hz—15 kHz
Signal to Noise Ratio	66 dB
Alternate Channel Selectivity	65 dB
Capture Ratio	2.0 dB
Image Response Ratio	60 dB
IF Response Ratio	68 dB
Stereo Separation (1 kHz)	35 dB

AM Tuner Section

Frequency Range (10 kHz space)	530—1,620 kHz
(9 kHz space)	522—1,611 kHz
Channel Space	10 kHz/9 kHz
Usable Sensitivity (30 μ V)	30 dB

Cassette Deck Section

Tape Speed	4.76 cm/s
Wow and Flutter	0.12% (WRMS)
Fast Winding Time (C-60)	110 sec
Frequency Response (120 μ S)	40 Hz—14 kHz (± 3 dB)
(70 μ S)	40 Hz—16 kHz (± 3 dB)
Stereo Separation (1 kHz)	37 dB
Signal to Noise Ratio	53 dB

Audio Section

Maximum Output Power	6 W + 6 W
(1 kHz, 4 ohms)	
Rated Output Power	5 W + 5 W
(10% THD, 1 kHz, 4 ohms)	
(1 % THD, 40 Hz—20 kHz, 4 ohms)	4 W + 4 W

Bass & Treble controls	Bass: 100 Hz ± 10 dB
	Treble: 10 kHz ± 10 dB
Preamp Output	300 mV/10 k ohms Load

General

Operating Voltage (GND)	14.4 V (11—16 V)
Current Consumption	2.7 A at Rated Power
Body Size (W \times H \times D)	180 \times 50 \times 130 mm
	(7-1/16 \times 1-15/16 \times 5-1/8 in.)
Nose Size (W \times H \times D)	105 \times 44.5 \times 32 mm
	(4-1/8 \times 1-3/4 \times 1-1/4 in.)
Weight	1.4 kg (3.1 lb)